

Forward & Backward Refs. Searches

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Terms	Documents
L14 and ((theft\$ or stolen or steal\$) near4 (condition or situation))	2

Database:

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 IBM Technical Disclosure Bulletins

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L15

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DATE: Tuesday, July 12, 2005 [Printable Copy](#) [Create Case](#)

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DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD;
 THES=ASSIGNEE; PLUR=YES; OP=OR

L15 L14 and ((theft\$ or stolen or steal\$) near4 (condition or situation))

2 L15

(5586237 | 5726660 | 4345315 | 4780599 | 5821512 |
 5970481 | 4648037 | 6084528 | 5572643 | 5189291 |

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	4727245	5323098	4916441	5583763	5250789
	5884282	5793029	5424524	5243515	5712899
	5187354	5418354	5862270	5809161	4992940
	5047614	5223844	4524384	4703423	5633946
	5899502	5534684	5694322	4471218	5185695
	5539429	6018697	5231571	4359631	6154693
	5515081	5774070	5821513	6018738	5288980
	5340971	5979757	5859414	3959624	4996642
<u>L14</u>	5637851	4807169	5276857	5382779	5493107
	5841978	5673305	5650800	5505494	5164982
	6012051	4882724	5012349	5013387	5515285
	4323773	4766295	4973952	4071740	5484991
	4908500	5640193	4845636	5319181	5870716
	4994971	5689101	5708782	4965574	4415065
	5749081	5630068	5287266	5414250	6128571
	5481103	5822436	4654482	5602377	5978766
	5960440	5221838	4984155	5918211	4511886
	5361871	5448046	5319542	4591823	3983573
	5907830	5392400	5963948	6055426)	[PN] or 111
	(5586237	5726660	4345315	4780599	5821512
	5970481	4648037	6084528	5572643	5189291
	5789728	5640002	6020883	5999975	6122573
	4727245	5323098	4916441	5583763	5250789
	5884282	5793029	5424524	5243515	5712899
	5187354	5418354	5862270	5809161	4992940
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	5899502	5534684	5694322	4471218	5185695
<u>L13</u>	5539429	6018697	5231571	4359631	6154693
	5515081	5774070	5821513	6018738	5288980
	5340971	5979757	5859414	3959624	4996642
	5637851	4807169	5276857	5382779	5493107
	5841978	5673305	5650800	5505494	5164982
	6012051	4882724	5012349	5013387	5515285
	4323773	4766295	4973952	4071740	5484991
	4908500	5640193	4845636	5319181	5870716
	4994971	5689101	5708782	4965574	4415065
	5749081	5630068	5287266	5414250	6128571

467 L14221 L13

	5481103 5822436 4654482 5602377 5978766 5960440 5221838 4984155 5918211 4511886 5361871 5448046 5319542 4591823 3983573 5907830 5392400 5963948 6055426)! [PN]		
<u>L12</u>	('US 6314406B' '6697103' '6314406' 'US 6697103B' 'US 6055514A' '5424524' 'US 6236974B' '6055514' '5047614' '6236974' 'US 5424524A' 'US 5047614A') [PN]	12	<u>L12</u>
<u>L11</u>	('US 6314406B' '6697103' '6314406' 'US 6697103B' 'US 6055514A' '5424524' 'US 6236974B' '6055514' '5047614' '6236974' 'US 5424524A' 'US 5047614A') [URPN]	254	<u>L11</u>
<u>L10</u>	6314406.pn. or 6236974.pn. or 5424524.pn. or 5047614.pn. or 6697103.pn. or 6055514.pn.	12	<u>L10</u>
<u>L9</u>	L7 and @ad<=19980529 DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=OR	0	<u>L9</u>
<u>L8</u>	L7 DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR	16	<u>L8</u>
<u>L7</u>	L3 and remote\$	16	<u>L7</u>
<u>L6</u>	L3 and remote\$ and (portable or "hand-held" or handheld)	0	<u>L6</u>
<u>L5</u>	L3 and @pd<=19980529	0	<u>L5</u>
<u>L4</u>	L3 and @ad<=19980529 sens\$ and (start\$ near4 (duration or period or time)) and (stop\$ near4 (duration or period or time)) and (theft near4 (condition or situation)) and transaction and store and shop\$	93	<u>L3</u>
<u>L2</u>	sens\$ and (start\$ near2 (duration or period or time)) and (stop\$ near2 (duration or period or time)) and (theft near2 (condition or situation)) and transaction and store and shop\$	0	<u>L2</u>
<u>L1</u>	sens\$ and (start\$ near2 time) and (stop\$ near2 time) and (theft near2 (condition or situation)) and transaction and store and shop\$	0	<u>L1</u>

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L15: Entry 1 of 2

File: USPT

Jun 6, 1995

US-PAT-NO: 5422473

DOCUMENT-IDENTIFIER: US 5422473 A

TITLE: Vehicle security system and automatic roadway toll charging system

DATE-ISSUED: June 6, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kamata; George	Yokohama			JP

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Matsushita Electric Industrial Co., Ltd.	Osaka			JP		03

APPL-NO: 07/ 919615 [\[PALM\]](#)

DATE FILED: July 24, 1992

PARENT-CASE:

This application is a division of application Ser. No. 07/722,678, filed Jun. 24, 1991, (abandoned).

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	2-173445	June 29, 1990

INT-CL: [06] [G07](#) [B](#) [15/00](#)

US-CL-ISSUED: 235/384; 340/928

US-CL-CURRENT: [235/384](#); [340/928](#)

FIELD-OF-SEARCH: 235/382, 235/384, 235/380, 340/825.54, 340/928, 340/933, 340/937, 364/467

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#)[Search ALL](#)[Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4277837	July 1981	Stuckert	235/380 X
4303904	December 1981	Chasek	340/825.54

<input type="checkbox"/>				
<input type="checkbox"/>	<u>4814595</u>	March 1989	Gilboa	235/492
<input type="checkbox"/>	<u>4877947</u>	October 1989	Mori	902/26 X
<input type="checkbox"/>	<u>4908500</u>	March 1990	Baumberger	235/384
<input type="checkbox"/>	<u>4963723</u>	October 1990	Masada	235/384
<input type="checkbox"/>	<u>4977501</u>	December 1990	Lefevre	235/384 X
<input type="checkbox"/>	<u>4982072</u>	January 1991	Takigami	235/384
<input type="checkbox"/>	<u>5047614</u>	September 1991	Bianco	235/385
<input type="checkbox"/>	<u>5144553</u>	September 1992	Hassett	364/401
<input type="checkbox"/>	<u>5204675</u>	April 1993	Sekine	340/933
<input type="checkbox"/>	<u>5310999</u>	May 1994	Claus et al.	235/384

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2659573	July 1977	DE	902/26
58-132874	August 1983	JP	235/380
1-082194	March 1989	JP	235/380
1-250187	October 1989	JP	235/375
2-183389	July 1990	JP	235/380
3-046083	February 1991	JP	235/380

OTHER PUBLICATIONS

K. Kogaku, "Electronic Road Pricing System in Hong Kong," Traffic Engineering, vol. 21, No. 2, pp. 26-29, 1986 (partial translation).
 K. Kogaku, "Traffic Engineering," vol. 21, No. 2, pp. 26-29, 1986.

ART-UNIT: 254

PRIMARY-EXAMINER: Hafec; Donald

ASSISTANT-EXAMINER: Sikorski; Edward H.

ATTY-AGENT-FIRM: Stevens, Davis, Miller & Mosher

ABSTRACT:

An IC card adaptor having a wireless communication function and/or an optical communication function enabling a contact-type IC card to be used as an IC card of a non-contact type. The adaptor includes a power supply, a communication processing section, a transmission/reception section, and a device for establishing a contact-point coupling with an IC card developing at least a portion of a function to read data from the card and to write data therein through a contact-type contact point. An automatic roadway toll charging system employs such an IC card and IC card adaptor, as well as a card reader unit, a license plate identification unit, a comparison/collation unit, and a fee calculation unit to verify proper vehicle passage onto a roadway and calculate a required fee. A vehicle security system is disclosed which verifies proper vehicle passage into a security area.

4 Claims, 3 Drawing figures

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L15: Entry 2 of 2

File: USPT

Jun 29, 1993

US-PAT-NO: 5223844

DOCUMENT-IDENTIFIER: US 5223844 A

**** See image for Reexamination Certificate ****

TITLE: Vehicle tracking and security system

DATE-ISSUED: June 29, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mansell; John P.	Dallas	TX		
Riley; William M.	Dallas	TX		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Auto-Trac, Inc.	Dallas	TX			02

APPL-NO: 07/ 870141 [PALM]

DATE FILED: April 17, 1992

INT-CL: [05] H04B 7/185, G01S 5/02

US-CL-ISSUED: 342/357; 342/457

US-CL-CURRENT: 342/357.07; 340/825.49, 342/357.09, 342/457, 379/913, 455/404.2,
455/456.1, 701/213, 701/215

FIELD-OF-SEARCH: 342/357, 342/457

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4688026</u>	August 1987	Scribner et al.	
<input type="checkbox"/>	<u>4891650</u>	January 1990	Sheffer	342/457
<input type="checkbox"/>	<u>5014206</u>	May 1991	Scribner et al.	
<input type="checkbox"/>	<u>5032845</u>	July 1991	Velasco	342/457
<input type="checkbox"/>	<u>5043736</u>	August 1991	Darnell et al.	342/357

☐ 5103459

April 1992

Gilhousen et al.

375/1

OTHER PUBLICATIONS

International Teletrac Systems, "Have an Unfair Advantage Over Car Thieves", (advertising flyer), 1990, 3 pages.

International Teletrac Systems, "How to Put Your Fleet on the Map", (advertising flyer), undated, 5 pages.

Trimble Navigation, "FleetVision Integrated Fleet Management System", undated, 9 pages.

Trimble Navigation (Sunnyvale, Calif.,), "StarFinder GPS Intelligent Mobile Sensor", 1991, 2 pages.

Trimble Navigation (Sunnyvale, Calif.), "StarView Tracking and Display Station", undated, 2 pages.

Chapman Security Systems, Inc. (Bensenville, Ill.), "Chapman 911CLS" Product Catalogue, undated, 4 pages.

Westinghouse (Baltimore, Md.) "Vehicle Management Systems", product catalogue, undated, 4 pages.

METS, Inc. (Indianapolis, Ind.) "Public Safety Police, Fire and Emergency Medical Services", 1989, 4 pages.

METS, Inc. (Indianapolis, Ind.) "Trucking National & Regional Fleet Control", 1989, 4 pages.

ART-UNIT: 222

PRIMARY-EXAMINER: Blum; Theodore M.

ATTY-AGENT-FIRM: Mason, Fenwick & Lawrence

ABSTRACT:

The present invention provides a vehicle tracking and security system which allows immediate response in case of vehicle theft, an accident, vehicle breakdown, or other emergency. Guardian and tracking functions are provided through Mobile Units installed in hidden locations in vehicles to be monitored. The Mobile Units communicate with a Control Center. Preferably, the Mobile Unit provides vehicle theft and intrusion protection using an in-vehicle alarm and security system linked to the Control Center by a transceiver in the Mobile Unit. Also, a keypad or other human interface device is provided, allowing a vehicle driver or occupant to signal the Control Center that a particular type of assistance is needed. The vehicle's location may be automatically transmitted to the Control Center along with any automatic alarm signal or manually entered request, the location being precisely determinable anywhere in the world through use of Global Positioning System (GPS) information. The present invention provides continuous monitoring of a large number of vehicles for a broad range of status and emergency conditions over a virtually unlimited geographic area, also allowing manual communication of requests for assistance to that specific location. Advantageously, the system is implemented using existing commercial or police communications equipment.

11 Claims, 20 Drawing figures

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WEST Search Hist

DATE: Tuesday, December 02, 2003

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result set

DB=PGPB,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L11 L9 not l10

7 L11

L10 L9 and (barcode or "bar-code")

2 L10

L9 L8 and @ad<=19980529

9 L9

L8 (camera or (prox\$ with sens\$)) and shop\$ and (pda or portable or handheld or "hand-held") and remote\$

817 L8

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L6 (prox\$ with sens\$) and shop\$ and (pda or portable or handheld or "hand-held") and remote\$

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DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L5 L4 and (prox\$ with sens\$)

2 L5

L4 5664110.pn. or 6314406.pn.

2 L4

L3 L2 and l1

6 L3

L2 ((705/26 |705/27)!.CCLS.)

1055 L2

L1 (prox\$ with sens\$) and shop\$ and @ad<=19980529

393 L1

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